

<u>FIIG</u>	<u>Title</u>	<u>INCs</u>	<u>Due Date</u>
A087A	Fans and Impellers	11	May 3, 2002

INC 04245 – Fan, Vaneaxial

Add Style 45A, Fixed Multi-Unit
Add MRC ABFY (Overall Depth)

Delete the following MRCs:

ABGL (Width)
ABRY (Length)
AJLS (Shortest Height)
AJLT (Extended Height)
AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
AJLB (Blade Quantity)
AEHY (Ambient Temp at Full Rated Power)
RC ADZC (Environmental Protection)
RC SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
BBRG (Storage Type)
CBME (Cubic Measure)
RC AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
RC CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)

RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 04244 – Fan, Tubeaxial

Add MRC ABFY (Overall Depth)

Delete the following MRCs:

ABGL (Width)
ABRY (Length)
AJLS (Shortest Height)
AJLT (Extended Height)
AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
HGTH (Height)
NMBR (Quantity)
CWLY (Prime Mover Drive Shaft Bearing Type)
AEHY (Ambient Temp at Full rated Power)
CBBL (Features Provided)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
BBRG (Storage Type)
CBME (Cubic Measurement)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)

NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 61534 – Housing, Centrifugal Fan

Add MRC ABFY (Overall Depth)

Delete the following MRCs:

AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
MDCL (Material Document and Classification)
SFTT (Surface Treatment)
STDC (Surface Treatment Document and Classification)
RC CBBL (Features Provided)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
RC BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)

PMLC (Precious Material and Location)
NTRD (Entry Date)
FCLS (Functional Classification)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 30260 – Fan, Circulating

Add MRC ABMZ (Diameter)
Add MRC ABFY* (Overall Depth)

Change MRC AJLY (Pressure at Specified Air Flow Rate, Static) to “As Required”

Delete the following MRCs:
AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)

SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 04262 – Fan, Ventilating

Add MRC ABFY* (Overall Depth)

Delete the following MRCs:

AJLS (Shortest Height)
AJLT (Extended Height)
AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
CWLX (Housing Inside Diameter)
CBBL (Features Provided)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)

PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 10088 – Impeller, Fan, Centrifugal

Change MRC AJLB (Blade Quantity) to “As Required”

Delete FSCs 4240, 6105 & 6115

Delete the following MRCs:

ABGL (Width)
ABRY (Length)
AJLS (Shortest Height)
AJLT (Extended Height)
AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
CWLX (Housing Inside Diameter)
HGTH (Height)
MDCL (Material Document and Classification)
SFTT (Surface Treatment)
STDC (Surface Treatment Document and Classification)
ABXV (Bore Diameter)
AJLJ (Hub Length)
AJLK (Hub Protection Length)
ABTJ (Mounting Hole Quantity)
ABTB (Mounting Hole Diameter)
AFFL (Mounting Bolt Circle Diameter)
ADZC (Environmental Protection)
CBBL (Features Provided)

TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 10087 – Impeller, Fan, Axial

Delete FSCs 6105 and 6115

Delete the following MRCs:

ABGL (Width)
ABRY (Length)
AJLS (Shortest Height)
AJLT (Extended Height)

AJLU (Outlet Inside Width)
AJLV (Outlet Inside Height)
AJLW (Outlet Inside Diameter)
CWLX (Housing Inside Diameter)
HGTH (Height)
MDCL (Material Document and Classification)
SFTT (Surface Treatment)
STDC (Surface Treatment Document and Classification)
ABXV (Bore Diameter)
AJLJ (Hub Length)
AJLK (Hub Protection Length)
ABTJ (Mounting Hole Quantity)
ABTB (Mounting Hole Diameter)
AFFL (Mounting Bolt Circle Diameter)
ADZC (Environmental Protection)
CBBL (Features Provided)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PRMT (Precious Material)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)

ECWT (Exterior Container Weight)
SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

INC 04254 – Fan, Centrifugal

Add MRC ABFY (Overall Depth)

Delete the following MRCs:

ABMZ (Diameter)
AJLS (Shortest Height)
AJLT (Extended Height)
MDCL (Material Document and Classification)
STDC (Surface Treatment Document and Classification)
TEST (Test Data Document)
SPCL (Special Test Features)
ZZZW (Departure from Cited Document)
ZZZX (Departure from Cited Designator)
ELCD (Extra Long Characteristic Description)
PKWT (Unpackaged Unit Weight)
BBRG (Storage Type)
CBME (Cubic Measure)
AFJN (Fragility Factor)
AFJQ (Storage Temp Range)
CXFT (Mounting Surface Plane)
CTSF (Protective Storage Feature)
CXGM (Blade Shape)
CXGQ (Bearing Cooling Medium)
CXHF (Housing Fabrication Method)
AJMW (Motor Windings Temp Rise)
PMWT (Precious Material and Weight)
PMLC (Precious Material and Location)
SUPP (Supplementary Features)
NTRD (Entry Date)
FCLS (Functional Classification)
FTLD (Functional Description)
TMDN (Type/Model Designation)
RTSE (Relationship to Similar Equipment)
RDAL (Reference Data and Literature)
ZZZP (Purchase Description Identification)
ZZZV (FSC Application Data)
PKQT (Intermediate Package Quantity)
EXQT (Exterior Container Quantity)
SUWT (Unit of Issue Weight)
ECWT (Exterior Container Weight)

SUCB (Unit of Issue Cube)
EXME (Exterior Container Cubic Measure)

Create New Concept FIIGs for the following INCs:

INC 61421 – IMPELLER WHEEL, AIRCRAFT COOLING TURBINE
INC 61425 – SCROLL HOUSING, AIRCRAFT COOLING TURBINE
INC 61430 – TURBINE WHEEL, AIRCRAFT COOLING TURBINE

Proposed New Concept FIIG:

INC 61421 - IMPELLER WHEEL, AIRCRAFT COOLING TURBINE

An item consisting of blades, vanes or paddles equally spaced around the periphery or face of a hub, rotor or wheel. It is turbine wheel or shaft driven. Designed primarily as a means for absorbing the energy and to act as a governing force for a turbine wheel. Also aids in drawing ram air through a heat exchanger. May be used to compress the air required to drive the turbine wheel. It is a rotating part of an aircraft-cooling turbine.

FIIG to include the following MRCs:

NAME (Item Name)
MATT (Material)
AJLB (Blade Quantity)
AYSY (Rotation Direction for which Designed)
AYAY (Attachment Method)
ABMZ* (Diameter)
ABTB* (Mounting Hole Diameter)
ABTJ* (Mounting Hole Quantity)
ABXV* (Bore Diameter)
AFFL* (Mounting Bolt Circle Diameter)
AGAV* (End Item Identification)
AJLJ* (Hub Length)
AJLK* (Hub Projection Length)
CBBL* (Features Provided)
CLQL* (Colloquial Name)
CRTL* (Criticality Code Justification)
CXCY* (Part Name Assigned by Controlling Agency)
CXGM* (Blade Shape)
CXQW* (Hub Style)
DENN* (Dot Identification Number)
ELRN* (Extra Long Reference Number)
FEAT* (Special Features)
HZRD* (Hazardous Substances)

PRPY* (Proprietary Characteristics)
SHPN* (Dot Proper Shipping Name)
WLBL* (Dot Warning Label Code)
ZZZK* (Specification/Standard Data)
ZZZT* (Nondefinitive Spec/Std Data)
ZZZV* (FSC Application)
ZZZY* (Reference Number Differentiating Characteristics)

Proposed New Concept FIIG:

INC 61425 – SCROLL HOUSING, AIRCRAFT COOLING TURBINE

A scroll shaped item which is a component part of a cooling turbine. It acts as a housing for the turbine wheel and/or impeller wheel. Assists in creating and/or maintaining pressure buildup. Contains inlet and outlet and is of one piece construction. It may include a nozzle ring, a baffle and the like. Excludes HOUSING, SUPERCHARGER.

FIIG to include the following MRCs:

NAME (Item Name)
MATT (Material)
ABGL* (Width)
ABRY* (Length)
AGAV* (End Item Identification)
AJLU* (Outlet Inside Width)
AJLV* (Outlet Inside Height)
AJLW* (Outlet Inside Diameter)
ANJL (Housing Style), see Appendix B, Reference Drawing Group B, Styles 61, 65 and 65A
CBBL* (Features Provided)
CLQL* (Colloquial Name)
CRTL* (Criticality Code Justification)
CXCY* (Part Name Assigned by Controlling Agency)
CXJS (Prime Mover For Which Designed)
DENN* (Dot Identification Number)
ELCD* (Extra Long Characteristic Description)
ELRN* (Extra Long Reference Number)
FEAT* (Special Features)
FTLD* (Functional Description)
HGHT* (Height)
HZRD* (Hazardous Substances)
PRPY* (Proprietary Characteristics)
SHPN* (Dot Proper Shipping Name)
WLBL* (Dot Warning Label Code)

ZZZK* (Specification/Standard Data)
ZZZT* (Nondefinitive Spec/Std Data)
ZZZV* (FSC Application)
ZZZY* (Reference Number Differentiating Characteristics)

Proposed New Concept FIIG:

INC 61430 - TURBINE WHEEL, AIRCRAFT COOLING TURBINE

An item consisting of blades or vanes equally spaced around the periphery or face of a hub, rotor or wheel. Designed to receive the energy of compressed air directed through nozzle vanes and impinged upon the blades of the turbine wheel creating rotary energy and motion. Drives an impeller or fan and discharges cool air. Consists of a single one piece wheel. It is a rotating part of an aircraft cooling turbine.

FIIG to include the following MRCs:

NAME (Item Name)
MATT (Material)
AJLB (Blade Quantity)
AYSY (Rotation Direction for which Designed),
AYAY (Attachment Method)
ABMZ* (Diameter)
ABTB* (Mounting Hole Diameter)
ABTJ* (Mounting Hole Quantity)
ABXV* (Bore Diameter)
AFFL* (Mounting Bolt Circle Diameter)
AGAV* (End Item Identification)
AJLJ* (Hub Length)
AJLK* (Hub Projection Length)
CBBL* (Features Provided)
CLQL* (Colloquial Name)
CRTL* (Criticality Code Justification)
CXCY* (Part Name Assigned by Controlling Agency)
CXGM* (Blade Shape)
CXQW* (Hub Style)
DENN* (Dot Identification Number)
ELRN* (Extra Long Reference Number)
FEAT* (Special Features)
HZRD* (Hazardous Substances)
PRPY* (Proprietary Characteristics)
SHPN* (Dot Proper Shipping Name)
WLBL* (Dot Warning Label Code)
ZZZK* (Specification/Standard Data)
ZZZT* (Nondefinitive Spec/Std Data)
ZZZV* (FSC Application)
ZZZY* (Reference Number Differentiating Characteristics)